BACHELOR OF SCIENCE IN COMPUTER INFORMATION SYSTEMS

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Computer information systems is where business and technology meet. CIS graduates bridge the gap between IT and business needs. They possess the knowledge and skill to become effective managers, developers and users of information systems. The CIS program focuses on data analysis, teamwork, project management and system development using a "hands-on" learning approach with real-world applications and projects. Successful students have an interest in problem solving using technology, business and management.

Students who major in computer information systems are in high demand in the job market. They acquire advanced skills along with an understanding of the role information systems play in organizations. CIS graduates are prepared for careers as systems analysts, business analysts, database administrators, web designers, project managers or IT consultants.

The BS in Computer Information Systems program requires a minimum of 122 credits as outlined below.

Code	Title	Credits
University Curriculum (http://catalog.qu.edu/academics/university-curriculum/)		**46**
Business Core Curriculum		**28**
Computer Information Systems Core		
CIS 225	Systems Analysis and Design	3
CIS 245	Programming With Python	3
CIS 350	Data Analysis with Excel (AC 350)	3
CIS 351	Database Programming and Design	3
CIS 440	IT Project Management	3
CIS 490	Computer Information Systems Capstone	3
CIS electives (Select any 200 level or above CIS class: SB 488 may fulfill 3 credits of CIS electives		**9**
Open electives		**21**
Total Credits		**122**

This is a *recommended* plan of study as course plans are subject to change. Course availability, potential transfer credits, and course prerequisite completion may influence the final course schedule for each program.

Course	Title	Credits
First Year		
Fall Semester		
FYS 101	First-Year Seminar (UC Foundations Inquiry)	3
EN 101	Introduction to Academic Reading and Writing (UC Writing 1)	3
SB 101	The Business Environment	3
CIS 101	Introduction to Applied Ai and Business Analytics	3
MA 170	Probability and Data Analysis (UC Math)	3
	Credits	15
Spring Semester		
EN 102	Academic Writing and Research (UC Writing 2)	3
EC 111	Principles of Microeconomics (Business Core and UC)	3
EC 272	Advanced Applied Statistics	3
Business Core Curriculum		3
Business Core Curriculum		3
	Credits	15
Second Year		
Fall Semester		
CIS 225	Systems Analysis and Design	3
EC 112	Principles of Macroeconomics	3
SB 250	Career Planning and Development	1
Business Core Curriculum		3
Business Core Curriculum		3
Business Core Curriculum		3
	Credits	16
Spring Semester		
CIS 245	Programming With Python	3
Business Core Curriculum		3
Business Core Curriculum		3
Business Core Curriculum		3
University Curriculum course		3
	Credits	15
Third Year		
Fall Semester		
CIS 351	Database Programming and Design	3
CIS Elective		3
UC Personal Inquiry		3
UC Disciplinary Inquiry		3
UC Disciplinary Inquiry NS + Lab		4
	Credits	16
Spring Semester		
CIS 350	Data Analysis with Excel (AC 350)	3
CIS Elective		3
University Curriculum course		3
Open Elective		3
Open Elective		3
	Credits	15
Fourth Year		
Fall Semester		
CIS 440	IT Project Management	3
SB 420	Strategic Management Integrated Seminar	3
Open Elective		3
Open Elective		3
Open Elective		3
	Credits	15

Spring Semester

CIS 490	Computer Information Systems Capstone	3
CIS Elective		3
Open Elective		3
Open Elective		3
Open Elective		3
	Credits	**15**
	Total Credits	**122**

Student Learning Outcomes

Upon completion of the program, students will achieve the following competencies:

1. **Business Knowledge:** Students apply basic business theories and concepts to understand and solve business problems.
2. **Business Analytics**: Students effectively gather, assess and utilize data to understand, improve and communicate business decisions using Excel and other analytical tools.
3. **Communication**: Students communicate business ideas effectively through written communications, oral communications and presentations, and digital media.
4. **Critical Thinking:** Students utilize information and research findings to analyze problems and determine appropriate solutions.
5. **Business Ethics:** Students apply ethical frameworks to evaluate situations and determine appropriate solutions.
6. **Cultural Adaptability:** Students recognize and apply knowledge of diversity within and across individuals and groups.
7. **Professionalism:** Students exhibit professional behavior, including a strong work ethic in their classes, in their interactions with faculty, staff and colleagues, and in their team assignments.

Admission Requirements: School of Business

The requirements for admission into the undergraduate School of Business programs are the same as those for admission to Quinnipiac University.

Admission to the university is competitive, and applicants are expected to present a strong college prep program in high school. Prospective first-year students are strongly encouraged to file an application as early in the senior year as possible, and arrange to have first quarter grades sent from their high school counselor as soon as they are available.

For detailed admission requirements, including required documents, please visit the **Admissions** page of this catalog.

Seamless Transfer Agreement with Gateway Community College (GCC), Housatonic Community College (HCC) and Norwalk Community College (NCC)

Under this Transfer Agreement, GCC, HCC and NCC graduates will be guaranteed admission into a bachelor's degree program with third year (junior) status at Quinnipiac University on the condition that they:

- Graduate with an associate in arts, an associate in science in business, College of Technology engineering science, nursing or an allied health degree with a minimum cumulative GPA of 3.00 (this may be higher in specific programs).
- Satisfy all other Quinnipiac University transfer admission requirements and requirements for intended major.

Suggested Transfer Curriculum for BS in Computer Information Systems

A minimum of 60 credits is required for transfer into the BS in Computer Information Systems program. Below is a sample plan of study for the first two years prior to matriculation at Quinnipiac University.

Course	Title	Credits
First Year		
Fall Semester		
English I		3
Introduction to Business		3
Microeconomics		3
Business Statistics		3
History Elective		3
	Credits	**15**
Spring Semester		
English II		3
Macroeconomics		3
Financial Accounting		3
Information Systems		3
Marketing		3
	Credits	**15**
Second Year		
Fall Semester		
Managerial Accounting		3
Finance		3
International Business		3
Management		3
Art Elective		3
	Credits	**15**
Spring Semester		
Operations Management		3
Business Law		3
Science Elective with Lab		4
Social Science Elective		3
Additional Elective (Business or other)		3
	Credits	**16**
	Total Credits	**61**